

Table of Contents

Table of Contents
Table of Tables
Table of Figures

Section 1.0	Introduction -----	1-1
1.1	Overview -----	1-1
1.2	Combined Sewer Overflows -----	1-1
1.3	Water Quality Impacts of CSOs -----	1-1
1.4	Regulatory Requirements -----	1-1
1.4.1	Water Quality and Water Body Uses -----	1-1
1.4.2	Permit Requirements-----	1-2
1.4.3	CSO Control Requirements -----	1-2
1.5	LTCP Project Approach -----	1-3
1.5.1	Project Team and Advisory Groups-----	1-3
1.5.2	Project Goals -----	1-3
1.5.3	Indianapolis Activities to Meet CSO Requirements -----	1-3
1.5.4	Watershed-based Strategy -----	1-4
1.6	Document Organization -----	1-4
Section 2.0	Baseline Conditions-----	2-1
2.1	Introduction -----	2-1
2.2	Stream Conditions in the White River Basin, Marion County, Indiana -----	2-1
2.2.1	Historic Water Quality Conditions -----	2-3
2.2.2	Urbanization-----	2-4
2.2.3	Agricultural Impacts -----	2-5
2.2.4	Hydrology and Physical Characteristics of Marion County Streams -----	2-5
2.2.4.1	White River -----	2-5
2.2.4.2	Fall Creek -----	2-6
2.2.4.3	Eagle Creek-----	2-8
2.2.4.4	Pleasant Run-----	2-9
2.2.4.5	Pogues Run -----	2-10
2.2.4.6	Lick Creek -----	2-11
2.2.4.7	State Ditch -----	2-12
2.2.5	Fisheries and Stream Biology -----	2-13
2.3	Water Quality Parameters of Concern -----	2-15
2.3.1	Bacteria -----	2-15



Table of Contents

2.3.2 Dissolved Oxygen -----	2-16
2.3.3 Mercury and PCBs -----	2-16
2.3.4 Other Metals and Organics -----	2-17
2.3.5 Impaired Biotic Communities -----	2-17
2.3.6 Water Quality Improvements Due to Advanced Wastewater Treatment	2-18
2.4 Water Quality Analysis of Marion County Waterways -----	2-18
2.4.1 Data Sources and Analysis Methods -----	2-18
2.4.2 White River (West Fork) -----	2-18
2.4.2.1 Cyanide -----	2-18
2.4.2.2 Dissolved Oxygen -----	2-18
2.4.2.3 <i>E. coli</i> Bacteria -----	2-19
2.4.2.3.1 All-Weather Analysis -----	2-19
2.4.2.3.2 Dry-Weather Analysis -----	2-19
2.4.2.3.3 Wet-Weather Analysis -----	2-19
2.4.3 Fall Creek -----	2-34
2.4.3.1 Dissolved Oxygen -----	2-34
2.4.3.2 <i>E. coli</i> Bacteria -----	2-34
2.4.3.2.1 All-Weather Analysis -----	2-34
2.4.3.2.2 Dry-Weather Analysis -----	2-45
2.4.3.2.3 Wet-Weather Analysis -----	2-45
2.4.4 Eagle Creek -----	2-45
2.4.4.1 Dissolved Oxygen -----	2-45
2.4.4.2 <i>E. coli</i> Bacteria -----	2-46
2.4.4.2.1 All-Weather Analysis -----	2-46
2.4.4.2.2 Dry-Weather Analysis -----	2-48
2.4.4.2.3 Wet-Weather Analysis -----	2-48
2.4.5 Pleasant Run and Bean Creek -----	2-48
2.4.5.1 Dissolved Oxygen -----	2-48
2.4.5.2 <i>E. coli</i> Bacteria -----	2-50
2.4.5.2.1 All-Weather Analysis -----	2-50
2.4.5.2.2 Dry-Weather Analysis -----	2-52
2.4.5.2.3 Wet-Weather Analysis -----	2-52
2.4.6 Pogues Run -----	2-52
2.4.6.1 Dissolved Oxygen -----	2-52
2.4.6.2 <i>E. coli</i> Bacteria -----	2-53
2.4.6.2.1 All-Weather Analysis -----	2-53



Table of Contents

2.4.6.2.2 Dry-Weather Analysis -----	2-53
2.4.6.2.3 Wet-Weather Analysis -----	2-55
2.4.7 Lick Creek and State Ditch-----	2-55
2.5 Sewer System Characterization -----	2-55
2.5.1 Combined Sewer Area -----	2-55
2.5.2 Combined Sewer System Interceptor Network -----	2-55
2.5.3 Combined Sewer Outfall Points -----	2-59
2.5.4 Separate Sewer Area-----	2-59
2.5.5 Separate Sewer System Interceptor Network -----	2-59
2.5.6 Separate Sewer Outfall Points -----	2-64
2.5.7 Private Septic Systems -----	2-64
2.6 Treatment Plant Design and Characterization -----	2-64
2.6.1 Belmont AWT Plant - Baseline Operational Conditions -----	2-66
2.6.1.1 Belmont Preliminary Treatment -----	2-66
2.6.1.2 Belmont Primary Treatment -----	2-71
2.6.1.3 Belmont Secondary Treatment -----	2-71
2.6.1.4 Belmont Tertiary Treatment -----	2-71
2.6.2 Southport AWT Plant - Baseline Operational Conditions -----	2-72
2.6.2.1 Southport Preliminary Treatment System -----	2-72
2.6.2.2 Southport Primary Treatment -----	2-72
2.6.2.3 Southport Secondary Treatment -----	2-72
2.6.2.4 Southport Tertiary Treatment -----	2-72
2.6.2.5 Southport Effluent Pumping -----	2-77
2.7 CSO Impacts on Water Quality -----	2-77
2.7.1 Pollutant Loads to the White River and Tributaries -----	2-77
2.7.1.1 <i>E. coli</i> Bacteria -----	2-77
2.7.1.2 Biochemical Oxygen Demand (BOD)-----	2-79
2.7.1.3 Total Suspended Solids (TSS)-----	2-79
2.7.2 Impact of CSO Discharges on Marion County Streams -----	2-79
2.8 Non-CSO Pollution Sources in the Watershed -----	2-86
2.8.1 Stormwater -----	2-87
2.8.2 Septic Systems -----	2-89
2.8.3 Illicit Sanitary Connections to Storm Drains -----	2-90
2.8.4 Urbanization -----	2-90
2.8.5 Domestic Animals and Wildlife -----	2-92
2.8.6 Sediment -----	2-92
2.8.7 Belmont and Southport AWT Discharges -----	2-92

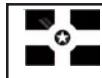


Table of Contents

2.8.8	Pollutant Sources Upstream of Marion County -----	2-92
2.8.9	Other Sources of Impacts to the Streams -----	2-92
2.9	Industrial Impacts on Water Quality -----	2-94
2.9.1	Pollutant Parameters -----	2-94
2.9.2	Potential Toxicity of Industrial Discharges-----	2-95
2.9.2.1	Confirm Location of Industrial Users -----	2-95
2.9.2.2	Confirm Industrial User Discharge Characteristics -----	2-95
2.10	Sensitive Areas Analysis -----	2-96
2.10.1	Recreational Use Data -----	2-98
2.10.1.1	Prohibited Uses -----	2-98
2.10.1.2	Reported and Observed Uses -----	2-98
2.10.1.2.1	Fall Creek -----	2-100
2.10.1.2.2	Pleasant Run and Bean Creek -----	2-100
2.10.1.2.3	Pogues Run -----	2-100
2.10.1.2.4	Eagle Creek -----	2-100
2.10.1.2.5	White River (Marion County) -----	2-101
2.10.1.2.6	White River (Downstream of Marion County)-----	2-101
2.10.1.2.7	Recreational Use Conclusions -----	2-101
2.10.2	Outstanding State Resource Waters -----	2-102
2.10.3	Threatened or Endangered Species -----	2-102
2.10.4	Public Drinking Water Intakes -----	2-103
2.11	Summary -----	2-103
Section 3.0	CSO Abatement Technologies -----	3-1
3.1	Introduction -----	3-1
3.2	Available Control Measures -----	3-1
3.2.1	Evaluation of CSO Control Technologies -----	3-1
3.2.2	Identification of Viable CSO Control Technologies -----	3-1
3.3	Source Control Technologies -----	3-5
3.4	Collection System Controls -----	3-5
3.4.1	In-line Storage (With Real-Time Control) -----	3-5
3.4.2	Inflow/Infiltration Abatement -----	3-7
3.4.3	Localized Sewer Separation -----	3-7
3.5	Storage Technologies -----	3-7
3.5.1	Off-line Storage/Sedimentation Tanks -----	3-8
3.5.2	Storage Tunnels -----	3-8



Table of Contents

3.6	Wet-Weather Treatment Technologies -----	3-9
3.6.1	Treatment Plant Technologies -----	3-9
3.6.1.1	Conventional Primary Clarification -----	3-9
3.6.1.2	Advanced Primary Clarification -----	3-9
3.6.1.3	Secondary Treatment -----	3-11
3.6.1.3.1	Belmont High-Flow Biological Treatment Process -----	3-11
3.6.1.3.2	Southport High-Flow Biological Treatment Process -----	3-11
3.6.2	Disinfection Technologies -----	3-12
3.6.2.1	Ultraviolet Disinfection -----	3-12
3.6.2.2	Chlorination/Dechlorination -----	3-13
3.6.2.3	Ozonation -----	3-13
3.6.2.4	Peracetic Acid (PAA) -----	3-14
3.6.3	CSO Outfall Technologies -----	3-14
3.6.3.1	Enhanced High Rate Clarification -----	3-14
3.6.3.2	Swirl Concentrators (Vortex Separators) -----	3-14
3.6.3.3	Mechanical Screens (Weir-Mounted) -----	3-15
3.6.3.4	Netting Systems -----	3-15
3.6.3.5	Trash Racks -----	3-15
3.7	In-stream Oxygenation Methods -----	3-16
3.7.1	Dam Modifications/Removal -----	3-16
3.7.2	Sidestream Aeration/Fountains -----	3-16
3.8	CSO Technology Screening and Evaluation -----	3-16
3.8.1	Model Re-Calibration and Verification -----	3-16
3.8.2	Re-evaluation of CSO Control Technologies -----	3-17
3.8.3	Methodology for Technology Screening by Watershed -----	3-21
3.8.3.1	Description of Technologies -----	3-21
3.8.3.2	Evaluation Criteria -----	3-23
3.8.3.3	CSO Collection System Analysis and Facility Sizing -----	3-25
3.8.3.4	Water Quality Analysis -----	3-25
3.8.3.5	Cost-Performance Analysis-----	3-26
3.8.3.6	Total Score Analysis -----	3-26
3.8.4	Pleasant Run Results -----	3-26
3.8.4.1	Water Quality Results -----	3-26
3.8.4.2	Cost-Performance Results -----	3-27
3.8.4.3	Total Score Results -----	3-27
3.8.5	Fall Creek Results -----	3-27



Table of Contents

3.8.5.1 Water Quality Results -----	3-27
3.8.5.2 Cost-Performance Results -----	3-29
3.8.5.3 Total Score Results -----	3-29
3.8.6 CSO Technology Screening Conclusions-----	3-29
3.9 Summary -----	3-30
Section 4.0 Alternatives Evaluation -----	4-1
4.1 Introduction -----	4-1
4.2 Evaluation Factors -----	4-1
4.2.1 Cost-Effectiveness -----	4-1
4.2.2 CSO Control Goals -----	4-1
4.2.3 Regulatory Compliance -----	4-1
4.2.4 Community Input -----	4-2
4.3 Source Control Measures-----	4-2
4.3.1 Industrial Pretreatment Program-----	4-2
4.3.1.1 Potential Industrial Pretreatment Program Improvements -----	4-2
4.3.1.2 Pretreatment Permitting Policy -----	4-4
4.3.1.3 Priority Industries -----	4-5
4.3.2 Stream Bank Restoration -----	4-6
4.3.3 Sewer Service for Unsewered Areas -----	4-7
4.3.4 Stormwater Control and Management -----	4-10
4.3.4.1 Stormwater Control Requirements -----	4-10
4.3.4.2 Stormwater Master Plan -----	4-10
4.3.4.3 Stormwater Utility -----	4-11
4.3.5 Infiltration/Inflow Abatement-----	4-11
4.3.6 Pollution Prevention Programs -----	4-13
4.3.7 Sewer Separation -----	4-16
4.3.7.1 Localized Sewer Separation -----	4-17
4.3.7.2 Criteria for Sewer Separation -----	4-17
4.3.8 Watershed Coordinator/Riverkeeper -----	4-18
4.4 Collection System Controls -----	4-18
4.4.1 In-Line Storage Alternatives-----	4-18
4.4.1.1 Mechanical Sluice Gate Control System -----	4-19
4.4.1.2 Inflatable Dams -----	4-22
4.4.1.3 Pinch Valves -----	4-23
4.4.2 Real-Time Control -----	4-25



Table of Contents

4.4.3 SCADA System -----	4-26
4.4.4 Summary -----	4-27
4.5 Evaluation of CSO Control Plan Components -----	4-27
4.5.1 Deep Tunnel Storage and Conveyance -----	4-28
4.5.2 Combined Sewer Collection System & Watershed Improvements -----	4-31
4.5.2.1 Fall Creek -----	4-32
4.5.2.2 Pogues Run -----	4-33
4.5.2.3 Pleasant Run/Bean Creek -----	4-37
4.5.2.4 Eagle Creek -----	4-37
4.5.2.5 White River -----	4-41
4.5.2.6 State Ditch/Lick Creek -----	4-41
4.5.2.7 Complete Sewer Separation -----	4-41
4.5.2.8 Additional Watershed Improvement Projects -----	4-47
4.5.2.8.1 Dry-Weather <i>E. coli</i> Compliance -----	4-47
4.5.2.8.2 Dissolved Oxygen Enhancement -----	4-49
4.5.3 Belmont AWT Plant Improvements -----	4-50
4.5.3.1 Overview -----	4-50
4.5.3.2 PE Bypass -----	4-53
4.5.3.2.1 Wet-weather Storage Basins -----	4-53
4.5.3.2.2 Bio-roughing Process Upgrade -----	4-53
4.5.3.2.3 Wet-weather Flow Disinfection -----	4-54
4.5.3.2.4 NPDES Permit Modification Request -----	4-55
4.5.3.3 Reduction of Headworks Overflows -----	4-55
4.5.3.4 Provisions for Future Capacity -----	4-56
4.5.3.5 Sludge Management -----	4-57
4.5.3.6 Summary of Recommended Belmont AWT Plant Improvements	4-59
4.5.4 Southport AWT Plant Improvements -----	4-59
4.5.4.1 Overview -----	4-59
4.5.4.2 Existing Facilities -----	4-60
4.5.4.3 CSO Treatment Alternatives -----	4-61
4.5.4.4 Summary of Recommended Southport AWT Plant Improvements	4-61
4.5.5 Interplant Connection -----	4-65
4.5.5.1 Interplant Connection Alternatives -----	4-65
4.5.5.2 Facility Sizes and Capacities -----	4-67
4.5.5.3 Cost Comparisons of Alternatives -----	4-67
4.5.5.4 Conclusions -----	4-67



Table of Contents

4.6	Evaluation of Systemwide CSO Control Alternatives -----	4-70
4.6.1	Systemwide Plan Descriptions -----	4-70
4.6.1.1	CSO Control Plan 1 -----	4-70
4.6.1.2	CSO Control Plan 2 -----	4-70
4.6.1.3	CSO Control Plan 3 -----	4-73
4.6.1.4	Early Action Projects -----	4-73
4.6.1.5	Watershed Improvements -----	4-74
4.6.2	Estimated Costs -----	4-74
4.6.3	Water Quality Impacts -----	4-75
4.6.3.1	CSO Volume Reduction -----	4-75
4.6.3.2	BOD Residual Loads -----	4-78
4.6.3.3	Dissolved Oxygen Impacts -----	4-83
4.6.3.4	<i>E. coli</i> Bacteria Impacts -----	4-83
4.6.4	Other Evaluation Factors -----	4-87
4.6.4.1	Cost-Effectiveness -----	4-87
4.6.4.2	Higher CSO Control in Tributaries -----	4-88
4.6.4.3	Neighborhood Issues -----	4-96
4.6.4.4	Seasonality of Overflows -----	4-97
4.7	Summary -----	4-102
Section 5.0	Public Participation -----	5-1
5.1	Introduction -----	5-1
5.2	City-County Government -----	5-1
5.2.1	Formation of Unigov -----	5-1
5.2.2	CSO Decision Makers-----	5-1
5.3	State and Federal Requirements -----	5-2
5.4	Public Participation Process and Methods -----	5-2
5.5	Advisory Committees-----	5-3
5.5.1	Wet Weather Technical Advisory Committee -----	5-3
5.5.2	Mayor's Raw Sewage Overflow Advisory Committee -----	5-3
5.5.3	Clean Stream Team Advisory Committee-----	5-4
5.6	Public Education Activities-----	5-4
5.6.1	WaterWise Campaign-----	5-4
5.6.2	Public Notification Program -----	5-5
5.6.3	Clean Stream Team Outreach and Education Program-----	5-5
5.6.4	Middle School Water Education Program-----	5-5



Table of Contents

5.7	2000-2001 Public Participation Activities -----	5-6
5.7.1	Release of July 2000 CSO Report -----	5-6
5.7.2	July 2000 Public Education Meetings -----	5-6
5.7.3	August 2000 Public Input Meetings -----	5-7
5.7.4	Advisory Committee Recommendations -----	5-7
5.7.5	Public Comment on 2001 Draft LTCP -----	5-8
5.7.5.1	Public Comment Process -----	5-8
5.7.5.2	Major Issues Raised -----	5-9
5.8	2004 Outreach on LTCP Alternatives -----	5-10
5.8.1	General Community Outreach -----	5-10
5.8.2	Watershed Meetings -----	5-11
5.8.3	Public Outreach Results -----	5-16
5.8.4	Advisory Committees -----	5-21
5.9	2006 Public Comment Period -----	5-21
5.9.1	Release of Plan for Public Comment -----	5-21
5.9.2	Public Hearing and Comment Process -----	5-22
5.9.3	Summary of Comments and Responses-----	5-22
5.10	Future Public Participation -----	5-24
5.10.1	Introduction -----	5-24
5.10.2	Clean Stream Team Advisory Committee -----	5-24
5.10.3	Neighborhood Communication -----	5-24
5.11	Summary -----	5-24
Section 6.0	Financial Capability Assessment -----	6-1
6.1	Introduction -----	6-1
6.2	Key Assumptions -----	6-1
6.3	Projected Revenue Requirements, Financing and Rate Impacts -----	6-3
6.3.1	Impact on Future Rates and Affordability -----	6-3
6.3.2	Impacts of Future Competition and Inflation of Capital Costs -----	6-4
6.3.3	Financing Assumptions -----	6-8
6.3.4	Grant Availability -----	6-8
6.3.5	Income Growth -----	6-8
6.4	U.S. EPA Financial Capability Analysis -----	6-8
6.4.1	Phase One: The Residential Indicator -----	6-9
6.4.1.1	Cost Per Household -----	6-9
6.4.1.2	Sub-Area Consideration -----	6-9



Table of Contents

6.4.2 Phase Two: Permittee Financial Indicators -----	6-11
6.4.2.1 Debt Indicators -----	6-11
6.4.2.1.1 Bond Rating-----	6-11
6.4.2.1.2 Net Debt -----	6-11
6.4.2.2 Socioeconomic Indicators -----	6-13
6.4.2.2.1 Unemployment Rate-----	6-13
6.4.2.2.2 Household Income -----	6-13
6.4.2.3 Financial Management Indicators -----	6-13
6.4.2.3.1 Property Tax Revenues as Percent of Full Market Value--	6-13
6.4.2.3.2 Tax Collection Efficiency -----	6-15
6.4.2.4 Summary of Phase 2 Indicators -----	6-15
6.4.3 Summary of Financial Capability Indicators -----	6-15
6.5 Summary -----	6-17
 Section 7.0 Selected Long-Term Control Plan -----	 7-1
7.1 Introduction -----	7-1
7.2 Selection of Plan -----	7-1
7.2.1 Selection Factors -----	7-1
7.2.2 Evaluation of Short-listed Alternatives -----	7-1
7.2.3 Selected CSO LTCP -----	7-2
7.3 CSO Control Measures -----	7-2
7.3.1 Summary of Systemwide Control Measures -----	7-2
7.3.1.1 Early Action Projects -----	7-4
7.3.1.2 Program Costs-----	7-4
7.3.2 Fall Creek Control Measures -----	7-4
7.3.3 Pogues Run Control Measures -----	7-8
7.3.4 Pleasant Run/Bean Creek Control Measures -----	7-10
7.3.5 Eagle Creek Control Measures -----	7-10
7.3.6 Lick Creek and State Ditch Control Measures -----	7-14
7.3.7 White River Control Measures -----	7-14
7.3.8 Treatment Plant Control Measures -----	7-14
7.3.8.1 Belmont AWT Plant Control Measures -----	7-14
7.3.8.2 Southport AWT Plant Control Measures -----	7-17
7.3.8.3 Interplant Connection Control Measure-----	7-19
7.3.9 Systemwide Watershed Improvement Control Measures -----	7-22
7.4 LTCP Benefits-----	7-22



Table of Contents

7.4.1	Environmental Benefits -----	7-22
7.4.2	CSO Volume and Frequency Reduction -----	7-23
7.4.3	Dissolved Oxygen Standard Attainment -----	7-28
7.4.4	Recreational Use Attainment -----	7-28
7.5	Implementation Schedule -----	7-28
7.5.1	Prioritization and Scheduling Criteria -----	7-30
7.5.2	Implementation Steps -----	7-31
7.5.3	LTCP Program Implementation -----	7-32
7.5.4	Scheduling Factors -----	7-37
7.6	Summary -----	7-38
Section 8.0	Post-Construction Monitoring Program -----	8-1
8.1	Introduction -----	8-1
8.1.1	Regulatory Requirements -----	8-1
8.1.2	Purpose and Scope -----	8-2
8.2	Program Elements -----	8-2
8.2.1	Performance Criteria -----	8-2
8.2.2	Water Quality Measures -----	8-4
8.3	Post-Construction Monitoring and Data Collection -----	8-4
8.3.1	Monitoring Schedule -----	8-4
8.3.2	Monitoring Stations -----	8-4
8.3.3	Stream Monitoring -----	8-5
8.3.4	CSO Outfall Monitoring -----	8-5
8.3.5	Water Quality Monitoring -----	8-15
8.3.6	AWT Plant Effluent Monitoring -----	8-16
8.3.7	Rainfall Monitoring -----	8-16
8.4	Data Retrieval, Management and Analysis -----	8-16
8.5	Quality Control -----	8-17
8.6	Data Evaluation and Progress Reporting -----	8-18
8.6.1	Milestone Reports -----	8-19
8.6.2	Progress Reports to Public -----	8-19
8.7	Summary -----	8-19
Section 9.0	Use Attainability Analysis -----	9-1
9.1	Introduction -----	9-1



Table of Contents

9.1.1	Purpose and Objectives -----	9-1
9.1.2	Regulatory Requirements for UAA -----	9-2
9.1.2.1	EPA Policy and Guidance Documents -----	9-2
9.1.2.2	State Requirements -----	9-2
9.2	Current Recreational Standards and Water Quality Conditions -----	9-2
9.3	Determination of Existing Uses -----	9-3
9.4	The Wet Weather Limited Use Subcategory is Necessary and Appropriate ---	9-4
9.4.1	Human-Caused Conditions -----	9-4
9.4.2	Natural Conditions -----	9-5
9.4.3	Substantial and Widespread Economic and Social Impact -----	9-13
9.5	Public Outreach -----	9-15
9.6	UAA and Wet-Weather Limited Use Subcategory for CSO-Impacted Waterways-----	9-15

Glossary

References

List of Acronyms

Appendices (on CD-Rom)

Appendix A

Physical Stream Characteristics and Reported and Observed Use Maps

- A1 White River Physical Map
- A2 Fall Creek Physical Map
- A3 Eagle Creek Physical Map
- A4 Pleasant Run Physical Map
- A5 Pogues Run Physical Map
- A6 Lick Creek Physical Map
- A7 State Ditch Physical Map
- A8 Fall Creek Observed Uses
- A9 Pleasant Run Observed Uses
- A10 Pogues Run Observed Uses
- A11 Eagle Creek Observed Uses
- A12 White River Observed Uses
- A13 White River Downstream Uses

**Indianapolis CSO LTCP Hydraulic and Water Quality Modeling Report
(Modeling Report)**



Table of Contents

Appendix B	Cost Estimating Procedures for Raw Sewage Overflow Control Program (Cost Memo)
Appendix C	Septic Tank Elimination Program Prioritization Criteria and Matrix
Detailed Systemwide Plan Cost Estimates	
	Plan One (Storage/Conveyance)
	Plan Two (Storage/Conveyance with Remote Treatment)
	Plan Three (Sewer Separation)
Appendix D	Public Outreach Documentation
	2000-2005 Advisory Committee Minutes
	2001 Public Outreach Program
	2004 LTCP Public Meetings
	CST Public Outreach Materials
	2006 Public Comment Period
Appendix E	Information to Support an Existing Use Determination

